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OM protein - protein search, using sw model

Run on: July 15, 2006, 06:19:05 ; Search time 51 Seconds
(without alignments)
415.341 Million cell updates/sec

Perfect score: 1242
Sequence: 1 MAALMGFPVLLILLISGD.....SGKSSSSSKTKGSGAGKR 242

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database :
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7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfilltest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	875	70.5	168	US-09-148-545-280	Sequence 280, App
2	875	70.5	168	US-09-621-011-280	Sequence 280, App
3	800	64.4	155	US-09-621-976-3888	Sequence 3888, App
4	457	36.8	88	US-09-513-999C-4221	Sequence 4221, App
5	367	29.5	74	US-09-148-545-198	Sequence 198, App
6	367	29.5	74	US-09-621-011-198	Sequence 198, App
7	239	19.2	50	US-09-471-276-815	Sequence 815, App
8	94.5	7.6	250	US-10-104-047-3933	Sequence 3933, App
9	86.5	7.0	5032	US-09-538-092-979	Sequence 979, App
10	86	6.9	17	US-09-148-545-279	Sequence 279, App
11	86	6.9	17	US-09-621-011-279	Sequence 279, App
12	85.5	6.9	213	US-09-328-352-6122	Sequence 6122, App
13	85.5	6.9	434	US-09-902-540-1303	Sequence 1303, App
14	85.5	6.9	459	US-09-949-016-11641	Sequence 11641, App
15	85.5	6.9	1242	US-10-037-417-110	Sequence 110, App
16	83.5	6.7	440	US-09-489-039A-10833	Sequence 10833, App
17	83	6.7	472	US-09-252-991A-20457	Sequence 20457, App
18	83	6.7	635	US-09-252-991A-16721	Sequence 16721, App
19	81.5	6.6	522	US-10-012-542-220	Sequence 220, App
20	81.5	6.6	522	US-10-012-542-220	Sequence 220, App
21	81.5	6.6	533	US-09-115-123-220	Sequence 220, App
22	81.5	6.6	533	US-09-461-325-221	Sequence 6006, App
23	81.5	6.6	555	US-10-012-542-251	Sequence 251, App
24	81.5	6.6	555	US-10-115-123-251	Sequence 251, App
25	79.5	6.4	590	US-08-743-168B-43	Sequence 43, App1
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39	79	6.4	885	1	US-08-500-857A-8	Sequence 8, App1
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43	78	6.3	580	2	US-09-312-283C-307	Sequence 307, App
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45	77.5	6.2	269	2	US-09-134-001C-3461	Sequence 3461, App
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47	77.5	6.2	600	2	US-09-540-236-2955	Sequence 2955, App
48	77.5	6.2	825	2	US-09-489-039A-11003	Sequence 11003, App
49	77	6.2	332	2	US-09-248-796A-20189	Sequence 20189, App
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59	76	6.1	712	1	US-08-835-268-64	Sequence 64, App1
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72	75	6.0	1376	2	US-09-949-016-6289	Sequence 6289, App
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87	73.5	5.9	803	2	US-09-543-681A-4623	Sequence 4623, App
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97	72.5	5.8	243	2	US-09-533-029-34	Sequence 34, App1
98	72.5	5.8	292	2	US-09-902-540-13893	Sequence 13893, App
99	72.5	5.8	462	2	US-09-607-248B-3	Sequence 3, App1
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119	72.5	5.8	5037	2	US-09-424-783-4	Sequence 4, App1
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121	72	5.8	244	2	US-09-173-300-53	Sequence 53, App1
122	72	5.8	244	2	US-10-027-450-53	Sequence 53, App1

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129	72	5.8	719	2	US-09-328-352-6274	Sequence 6274, Ap	202	69.5	5.6	623	2	US-09-710-279-1068	Sequence 1068, Ap
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136	71.5	5.8	193	2	US-09-489-039A-10031	Sequence 10031, A	209	69.5	5.6	761	2	US-09-328-352-1660	Sequence 5650, Ap
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142	71.5	5.8	1450	2	US-10-037-417-113	Sequence 113, App	215	69.5	5.6	2516	2	US-08-895-590-2	Sequence 2, Appl1
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147	71.5	5.8	231	3	US-10-125-001-11	Sequence 11, Appl1	220	69	5.6	319	2	US-09-489-039A-7916	Sequence 7916, Ap
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154	71	5.7	808	2	US-09-406-640-33	Sequence 33, Appl1	227	69	5.6	483	2	US-09-252-991A-31550	Sequence 31550, A
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165	70.5	5.7	391	2	US-09-275-252A-13	Sequence 13, Appl1	238	68.5	5.5	535	2	US-09-543-681A-19146	Sequence 4798, Ap
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270	68	5.5	782	2	US-09-543-084A-35	Sequence 35, Appl	343	66.5	5.4	258	2	US-09-765-271-18	Sequence 18, Appl
271	68	5.5	903	2	US-08-804-438A-22	Sequence 22, Appl	344	66.5	5.4	258	2	US-09-765-272A-18	Sequence 18, Appl
272	68	5.5	903	2	US-08-720-229-22	Sequence 22, Appl	345	66.5	5.4	259	1	US-08-808-550-39	Sequence 39, Appl
273	68	5.5	904	2	US-08-632-537-1	Sequence 1, Appl	346	66.5	5.4	267	2	US-09-252-991A-10350	Sequence 30350, A
274	68	5.5	904	5	PCT-US96-05316-1	Sequence 1, Appl	347	66.5	5.4	277	3	US-09-936-271A-45	Sequence 45, Appl
275	68	5.5	1089	1	US-08-375-300-2	Sequence 2, Appl	348	66.5	5.4	278	2	US-09-583-110-1397	Sequence 1397, Ap
276	68	5.5	1089	2	US-08-177-431-2	Sequence 2, Appl	349	66.5	5.4	279	2	US-09-902-540-12548	Sequence 12548, A
277	68	5.5	1089	5	PCT-US95-16930-2	Sequence 2, Appl	350	66.5	5.4	286	2	US-09-107-433-4095	Sequence 4095, Ap
278	68	5.5	1529	1	US-08-728-470-10	Sequence 10, Appl	351	66.5	5.4	391	2	US-09-489-039A-10039	Sequence 10039, A
279	68	5.5	1529	2	US-08-719-641-10	Sequence 10, Appl	352	66.5	5.4	400	2	US-09-134-000C-3791	Sequence 3791, Ap
280	68	5.5	1600	1	US-08-617-697-10	Sequence 10, Appl	353	66.5	5.4	404	2	US-09-252-991A-33013	Sequence 33013, A
281	68	5.5	1709	2	US-09-392-812A-6	Sequence 6, Appl	354	66.5	5.4	405	2	US-09-252-991A-23282	Sequence 23282, A
282	68	5.5	2647	1	US-08-583-562B-8	Sequence 8, Appl	355	66.5	5.4	429	2	US-08-311-721A-287	Sequence 287, App
283	68	5.5	2647	1	US-08-779-113-8	Sequence 8, Appl	356	66.5	5.4	436	2	US-09-252-991A-22081	Sequence 22081, A
284	68	5.5	2647	2	US-09-949-016-6082	Sequence 6082, Ap	357	66.5	5.4	440	2	US-09-134-000C-3791	Sequence 3791, Ap
285	68	5.5	2666	2	US-09-949-016-10857	Sequence 10857, A	358	66.5	5.4	477	2	US-09-949-016-9922	Sequence 9922, Ap
286	68	5.5	3835	3	US-10-009-011-2	Sequence 2, Appl	359	66.5	5.4	544	2	US-09-489-039A-13113	Sequence 13113, A
287	67.5	5.4	1110	2	US-09-252-991A-25566	Sequence 25566, A	360	66.5	5.4	571	2	US-10-104-047-2414	Sequence 2414, Ap
288	67.5	5.4	341	2	US-09-248-796A-20844	Sequence 20844, A	361	66.5	5.4	587	2	US-09-489-039A-12327	Sequence 12327, A
289	67.5	5.4	383	2	US-09-939-853A-22	Sequence 22, Appl	362	66.5	5.4	650	1	US-08-121-713D-60	Sequence 60, Appl
290	67.5	5.4	408	2	US-09-534-765-15	Sequence 15, Appl	363	66.5	5.4	650	1	US-08-835-268-60	Sequence 60, Appl
291	67.5	5.4	408	2	US-09-489-039A-9583	Sequence 9583, Ap	364	66.5	5.4	650	2	US-09-060-692-60	Sequence 60, Appl
292	67.5	5.4	547	2	US-10-324-967-14	Sequence 14, Appl	365	66.5	5.4	650	2	US-08-833-391-60	Sequence 60, Appl
293	67.5	5.4	551	2	US-09-252-991A-32760	Sequence 32760, A	366	66.5	5.4	650	2	US-09-060-610-60	Sequence 60, Appl
294	67.5	5.4	922	2	US-08-460-269C-6	Sequence 6, Appl	367	66.5	5.4	650	5	PCT-US94-10151A-60	Sequence 60, Appl
295	67.5	5.4	922	2	US-10-302-896-6	Sequence 6, Appl	368	66.5	5.4	704	2	US-09-270-767-44117	Sequence 44117, A
296	67.5	5.4	926	1	US-08-159-340A-2	Sequence 2, Appl	369	66.5	5.4	708	2	US-09-949-002-407	Sequence 407, App
297	67.5	5.4	1092	3	US-10-135-322-18	Sequence 18, Appl	370	66.5	5.4	802	2	US-09-134-001C-3840	Sequence 3840, Ap
298	67.5	5.4	1114	2	US-08-811-583-2	Sequence 2, Appl	371	66.5	5.4	808	2	US-09-198-452A-327	Sequence 327, App
299	67.5	5.4	1401	2	US-09-127-670-6	Sequence 6, Appl	372	66.5	5.4	808	2	US-09-438-185A-312	Sequence 312, App
300	67.5	5.4	1627	1	US-07-665-792E-9	Sequence 9, Appl	373	66.5	5.4	1057	3	US-10-135-322-5	Sequence 5, Appl
301	67.5	5.4	2627	1	US-08-751-189-3	Sequence 3, Appl	374	66.5	5.4	1057	3	US-10-135-322-24	Sequence 24, Appl
302	67.5	5.4	2627	1	US-09-060-836-3	Sequence 3, Appl	375	66.5	5.4	1088	2	US-09-130-242-2	Sequence 2, Appl
303	67.5	5.4	2627	1	US-09-184-445-3	Sequence 3, Appl	376	66.5	5.4	1088	2	US-09-583-610D-2	Sequence 2, Appl
304	67	5.4	123	2	US-09-252-991A-11886	Sequence 31886, A	377	66.5	5.4	1088	2	US-09-949-016-65935	Sequence 65935, Ap
305	67	5.4	220	2	US-09-107-532A-7188	Sequence 7188, Ap	378	66.5	5.4	1091	2	US-09-949-016-6595	Sequence 8595, Ap
306	67	5.4	227	2	US-09-634-238-289	Sequence 289, App	379	66.5	5.4	1251	2	US-09-698-286A-9	Sequence 9, Appl
307	67	5.4	257	2	US-09-173-300-49	Sequence 49, Appl	380	66.5	5.4	1255	2	US-09-949-016-10343	Sequence 10348, A
308	67	5.4	257	2	US-10-027-450-49	Sequence 49, Appl	381	66.5	5.4	1422	2	US-08-469-260A-81	Sequence 81, Appl
309	67	5.4	283	2	US-09-893-737-152	Sequence 152, App	382	66.5	5.4	1422	2	US-08-468-446-81	Sequence 81, Appl
310	67	5.4	283	2	US-09-893-737-298	Sequence 298, App	383	66.5	5.4	1422	2	US-08-467-344A-81	Sequence 81, Appl
311	67	5.4	324	2	US-09-902-540-15088	Sequence 15088, A	384	66.5	5.4	1422	2	US-08-424-550B-81	Sequence 81, Appl
312	67	5.4	335	1	US-08-379-556A-10	Sequence 10, Appl	385	66	5.3	167	2	US-09-902-540-11616	Sequence 11616, A
313	67	5.4	378	2	US-09-134-000C-5909	Sequence 5909, Ap	386	66	5.3	215	2	US-09-248-796A-16120	Sequence 16120, A
314	67	5.4	416	2	US-09-228-246-4	Sequence 4, Appl	387	66	5.3	228	2	US-09-248-796A-23334	Sequence 23334, A
315	67	5.4	420	2	US-09-270-767-43304	Sequence 43304, A	388	66	5.3	237	1	US-08-672-564-3	Sequence 3, Appl
316	67	5.4	443	1	US-08-399-986B-2	Sequence 2, Appl	389	66	5.3	241	2	US-09-107-532A-5474	Sequence 5474, Ap
317	67	5.4	443	1	US-08-493-754A-2	Sequence 2, Appl	390	66	5.3	243	2	US-09-270-767-53105	Sequence 53105, A
318	67	5.4	492	2	US-09-252-991A-77656	Sequence 27656, A	391	66	5.3	257	2	US-09-489-039A-13129	Sequence 13129, A
319	67	5.4	492	2	US-10-237-551-204	Sequence 204, App	392	66	5.3	257	2	US-09-134-000C-6361	Sequence 6361, Ap
320	67	5.4	505	2	US-09-382-256-16	Sequence 16, Appl	393	66	5.3	268	2	US-09-252-991A-19715	Sequence 19715, A
321	67	5.4	505	2	US-09-395-115-16	Sequence 8, Appl	394	66	5.3	269	2	US-09-949-016-11638	Sequence 11638, A
322	67	5.4	505	2	US-08-123-934A-8	Sequence 16, Appl	395	66	5.3	290	2	US-08-628-291-2	Sequence 2, Appl
323	67	5.4	505	2	US-08-436-265-16	Sequence 16, Appl	396	66	5.3	294	1	US-08-128-722-2	Sequence 2, Appl
324	67	5.4	505	2	US-09-679-187-16	Sequence 8, Appl	397	66	5.3	294	1	US-09-326-157-1	Sequence 1, Appl
325	67	5.4	505	2	US-09-874-628-8	Sequence 8, Appl	398	66	5.3	294	2	US-09-489-039A-12157	Sequence 12157, A
326	67	5.4	505	2	US-09-267-963D-16	Sequence 16, Appl	399	66	5.3	294	2	US-10-135-755-1	Sequence 1, Appl
327	67	5.4	505	5	PCT-US94-10080-8	Sequence 8, Appl	400	66	5.3	318	1	US-08-628-291-16	Sequence 16, Appl
328	67	5.4	599	2	US-09-252-991A-20656	Sequence 20656, A	401	66	5.3	318	1	US-09-128-722-16	Sequence 16, Appl
329	67	5.4	648	2	US-09-583-110-2729	Sequence 2729, Ap	402	66	5.3	332	2	US-09-252-991A-24826	Sequence 24826, A
330	67	5.4	654	2	US-09-248-796A-17735	Sequence 17735, A	403	66	5.3	337	2	US-09-949-016-10573	Sequence 10573, A
331	67	5.4	654	2	US-09-107-433-4519	Sequence 4519, Ap	404	66	5.3	339	1	US-08-266-451B-22	Sequence 22, Appl
332	67	5.4	670	2	US-09-252-991A-32350	Sequence 32350, A	405	66	5.3	339	1	US-08-748-725-22	Sequence 22, Appl
333	67	5.4	729	2	US-09-543-681A-8257	Sequence 8257, Ap	406	66	5.3	348	2	US-09-902-540-11333	Sequence 11383, A
334	67	5.4	729	2	US-09-245-248B-11	Sequence 31, Appl	407	66	5.3	381	2	US-09-134-001C-373	Sequence 373, Ap
335	67	5.4	862	2	US-09-543-681A-6315	Sequence 6315, Ap	408	66	5.3	383	2	US-09-543-681A-6442	Sequence 6442, Ap
336	67	5.4	862	2	US-09-680-327-3	Sequence 3, Appl	409	66	5.3	408	2	US-08-672-564-9	Sequence 9, Appl
337	67	5.4	1824	1	US-09-228-246-2	Sequence 36, Appl	410	66	5.3	412	2	US-09-710-279-1456	Sequence 1456, Ap
338	67	5.4	1824	1	US-08-808-550-36	Sequence 8, Appl	411	66	5.3	434	2		
339	66.5	5.4	207	1	US-08-569-806-8	Sequence 18, Appl	412	66	5.3	451	2		
340	66.5	5.4	227	1	US-08-961-083-18		413	66	5.3				
341	66.5	5.4	258	2			414	66	5.3				

415	66	5.3	482	2	US-09-252-991A-19130	Sequence 19130, A	488	65	5.2	316	2	US-10-009-962-6	Sequence 6, Appl1
416	66	5.3	489	2	US-09-533-029-60	Sequence 60, Appl1	489	65	5.2	324	2	US-09-154-750A-89	Sequence 89, Appl1
417	66	5.3	497	2	US-09-252-991A-18755	Sequence 18725, A	490	65	5.2	367	2	US-09-252-991A-28247	Sequence 28247, A
418	66	5.3	500	2	US-08-960-190A-25	Sequence 25, Appl1	491	65	5.2	370	2	US-09-252-991A-27810	Sequence 27810, A
419	66	5.3	501	2	US-09-172-952-15	Sequence 15, Appl1	492	65	5.2	378	2	US-09-724-797-40	Sequence 40, Appl1
420	66	5.3	560	2	US-09-248-796A-22980	Sequence 22980, A	493	65	5.2	410	2	US-09-205-448-1	Sequence 1, Appl1
421	66	5.3	576	2	US-09-248-796A-20509	Sequence 20509, A	494	65	5.2	436	2	US-09-248-796A-20561	Sequence 20561, A
422	66	5.3	580	1	US-08-672-56A-1	Sequence 1, Appl1	495	65	5.2	440	2	US-09-198-452A-44	Sequence 44, Appl1
423	66	5.3	580	2	US-09-248-796A-14473	Sequence 14473, A	496	65	5.2	461	2	US-09-270-767-42977	Sequence 42977, A
424	66	5.3	590	2	US-09-252-991A-23447	Sequence 23447, A	497	65	5.2	478	2	US-09-252-991A-16355	Sequence 16355, A
425	66	5.3	668	2	US-09-252-991A-26712	Sequence 26712, A	498	65	5.2	567	1	US-08-261-822A-12	Sequence 12, Appl1
426	66	5.3	857	2	US-09-425-335-4	Sequence 4, Appl1	499	65	5.2	567	2	PCT-US95-07744A-12	Sequence 12, Appl1
427	66	5.3	871	2	US-09-245-041-19	Sequence 19, Appl1	500	65	5.2	607	2	US-09-252-991A-20596	Sequence 20596, A
428	66	5.3	871	2	US-09-358-055B-19	Sequence 19, Appl1	501	65	5.2	637	2	US-09-852-053-3	Sequence 3, Appl1
429	66	5.3	871	2	US-09-893-238-19	Sequence 19, Appl1	502	65	5.2	640	2	US-09-902-540-15375	Sequence 15375, A
430	66	5.3	1061	2	US-09-252-991A-23691	Sequence 23691, A	503	65	5.2	693	2	US-09-248-796A-26890	Sequence 26890, A
431	66	5.3	1173	3	US-10-135-322-19	Sequence 19, Appl1	504	65	5.2	699	2	US-09-270-767-45507	Sequence 45507, A
432	66	5.3	1272	2	US-09-787-097-18	Sequence 18, Appl1	505	65	5.2	711	2	US-09-252-991A-29660	Sequence 29660, A
433	66	5.3	1350	2	US-09-245-041-17	Sequence 17, Appl1	506	65	5.2	729	2	US-09-107-532A-6946	Sequence 6946, Ap
434	66	5.3	1350	2	US-09-358-055B-17	Sequence 17, Appl1	507	65	5.2	748	2	US-09-902-540-13877	Sequence 13877, A
435	66	5.3	1350	2	US-09-893-238-17	Sequence 17, Appl1	508	65	5.2	770	2	US-10-781-599-9	Sequence 9, Appl1
436	66	5.3	1429	2	US-09-787-097-12	Sequence 12, Appl1	509	65	5.2	825	7	US-09-438-185A-29	Sequence 29, Appl1
437	66	5.3	1445	1	US-08-015-986A-2	Sequence 2, Appl1	510	65	5.2	904	7	5244792-4	Patent No. 5244792
438	66	5.3	1445	1	US-08-446-363-2	Sequence 2, Appl1	511	65	5.2	915	1	US-08-328-322-5	Sequence 5, Appl1
439	66	5.3	2476	2	US-09-824-574-7	Sequence 7, Appl1	512	65	5.2	915	2	US-09-252-991A-23779	Sequence 23779, A
440	65.5	5.3	184	2	US-09-134-000C-4711	Sequence 4711, Ap	513	65	5.2	932	2	US-10-176-884-15	Sequence 15, Appl1
441	65.5	5.3	219	2	US-09-654-281B-8	Sequence 8, Appl1	514	65	5.2	9881	2	US-09-914-286-5	Sequence 5, Appl1
442	65.5	5.3	224	2	US-09-228-986-130	Sequence 130, App	515	64.5	5.2	172	2	US-08-916-576B-4	Sequence 4, Appl1
443	65.5	5.3	224	2	US-10-101-464A-130	Sequence 130, App	516	64.5	5.2	172	2	US-10-078-337-4	Sequence 4, Appl1
444	65.5	5.3	242	2	US-09-902-540-13487	Sequence 13487, A	517	64.5	5.2	191	2	US-09-252-991A-24515	Sequence 24515, A
445	65.5	5.3	341	2	US-09-248-796A-14575	Sequence 14575, A	518	64.5	5.2	217	2	US-09-543-681A-5430	Sequence 5490, Ap
446	65.5	5.3	345	2	US-09-543-681A-4256	Sequence 4256, Ap	519	64.5	5.2	238	2	US-09-270-767-44810	Sequence 44810, A
447	65.5	5.3	355	2	US-09-498-520A-28	Sequence 28, Appl1	520	64.5	5.2	289	2	US-09-395-674B-1	Sequence 8, Appl1
448	65.5	5.3	399	2	US-09-583-110-2855	Sequence 2855, Ap	521	64.5	5.2	291	2	US-09-248-796A-16362	Sequence 16362, A
449	65.5	5.3	399	2	US-09-107-433-3898	Sequence 3898, Ap	522	64.5	5.2	295	1	US-08-343-443B-107	Sequence 107, App
450	65.5	5.3	404	2	US-10-094-749-3089	Sequence 3089, Ap	523	64.5	5.2	331	2	US-09-949-016-6323	Sequence 6323, Ap
451	65.5	5.3	418	2	US-10-094-749-3257	Sequence 3257, Ap	524	64.5	5.2	335	2	US-09-949-016-17186	Sequence 17186, Ap
452	65.5	5.3	423	2	US-09-270-767-44448	Sequence 44448, A	525	64.5	5.2	376	2	US-09-252-991A-21843	Sequence 21843, A
453	65.5	5.3	433	2	US-09-328-352-6248	Sequence 6248, Ap	526	64.5	5.2	396	2	US-09-325-932A-153	Sequence 153, App
454	65.5	5.3	433	2	US-09-721-870-107	Sequence 107, App	527	64.5	5.2	427	2	US-09-248-796A-14487	Sequence 14487, A
455	65.5	5.3	457	2	US-09-583-110-4829	Sequence 4829, App	528	64.5	5.2	439	2	US-09-252-991A-19523	Sequence 19523, A
456	65.5	5.3	459	2	US-09-303-518D-214	Sequence 214, App	529	64.5	5.2	441	2	US-09-252-991A-17727	Sequence 17727, A
457	65.5	5.3	460	2	US-09-270-767-33708	Sequence 33708, A	530	64.5	5.2	452	2	US-09-902-540-13749	Sequence 13749, A
458	65.5	5.3	460	2	US-09-270-767-48925	Sequence 48925, A	531	64.5	5.2	454	2	US-09-526-043-17	Sequence 17, Appl1
459	65.5	5.3	465	2	US-09-252-991A-29387	Sequence 29387, A	532	64.5	5.2	476	2	US-09-252-991A-19392	Sequence 19392, A
460	65.5	5.3	495	2	US-09-248-796A-16754	Sequence 16754, A	533	64.5	5.2	497	2	US-09-252-991A-32682	Sequence 32682, A
461	65.5	5.3	604	2	US-10-094-749-3042	Sequence 3042, Ap	534	64.5	5.2	581	2	US-08-743-168B-40	Sequence 40, Appl1
462	65.5	5.3	703	2	US-10-104-047-3364	Sequence 3364, Ap	535	64.5	5.2	718	2	US-09-252-991A-26596	Sequence 26596, A
463	65.5	5.3	703	2	US-09-252-991A-17865	Sequence 17865, A	536	64.5	5.2	781	2	US-09-252-991A-26207	Sequence 26207, A
464	65.5	5.3	705	2	US-09-949-016-11418	Sequence 11418, A	537	64.5	5.2	804	2	US-10-104-047-1161	Sequence 3161, Ap
465	65.5	5.3	705	2	US-09-949-002-557	Sequence 557, App	538	64.5	5.2	998	2	US-10-101-464A-931	Sequence 931, App
466	65.5	5.3	769	2	US-09-252-991A-17737	Sequence 17737, A	539	64.5	5.2	1008	2	US-09-252-991A-27063	Sequence 27063, A
467	65.5	5.3	1040	2	US-09-328-352-7238	Sequence 7238, Ap	540	64.5	5.2	1045	1	US-08-452-083-2	Sequence 2, Appl1
468	65.5	5.3	1122	1	US-08-619-198-3	Sequence 3, Appl1	541	64.5	5.2	1052	2	US-10-094-749-2050	Sequence 2050, Ap
469	65.5	5.3	1389	1	US-08-619-198-5	Sequence 5, Appl1	542	64.5	5.2	1054	2	US-09-626-301-2	Sequence 2, Appl1
470	65.5	5.3	1401	2	US-09-618-166-206	Sequence 206, App	543	64.5	5.2	1064	2	US-09-626-301-4	Sequence 4, Appl1
471	65.5	5.3	1401	2	US-09-618-166-206	Sequence 206, App	544	64	5.2	127	2	US-09-107-532A-5547	Sequence 5547, Ap
472	65.5	5.3	1452	2	US-09-252-991A-18118	Sequence 18118, A	545	64	5.2	152	2	US-08-858-207A-335	Sequence 335, App
473	65.5	5.3	1673	2	US-09-418-710-70	Sequence 70, Appl1	546	64	5.2	166	2	US-09-902-540-16199	Sequence 16199, A
474	65.5	5.3	1673	2	US-09-839-479-69	Sequence 69, Appl1	547	64	5.2	208	2	US-09-248-796A-16552	Sequence 16552, A
475	65.5	5.3	1674	2	US-09-418-710-11	Sequence 1, Appl1	548	64	5.2	218	2	US-09-583-110-3950	Sequence 3950, Ap
476	65.5	5.3	1674	2	US-09-839-479-11	Sequence 1, Appl1	549	64	5.2	227	2	US-09-134-000C-4509	Sequence 4509, Ap
477	65.5	5.3	2317	2	US-09-949-016-10109	Sequence 10109, A	550	64	5.2	239	2	US-09-107-433-3471	Sequence 3471, Ap
478	65.5	5.3	2860	1	US-08-826-267-2	Sequence 2, Appl1	551	64	5.2	242	2	US-09-134-001C-3328	Sequence 3328, Ap
479	65.5	5.3	3340	2	US-09-252-991A-23568	Sequence 23568, A	552	64	5.2	306	2	US-10-009-962-5	Sequence 5, Appl1
480	65	5.2	128	2	US-09-090-672B-38	Sequence 38, Appl1	553	64	5.2	306	2	US-10-671-628-5	Sequence 5, Appl1
481	65	5.2	140	2	US-09-730-559B-39	Sequence 39, Appl1	572	64	5.2	324	2	US-09-252-991A-25800	Sequence 25800, A
482	65	5.2	148	2	US-09-482-273-242	Sequence 242, App	573	64	5.2	324	2	US-09-910-174B-6	Sequence 6, Appl1
483	65	5.2	154	2	US-09-949-016-11274	Sequence 11274, A	574	64	5.2	324	2	US-09-620-461-6	Sequence 6, Appl1
484	65	5.2	246	2	US-09-248-796A-37053	Sequence 37053, A	575	64	5.2	324	2	US-09-803-286A-12	Sequence 12, Appl1
485	65	5.2	266	2	US-09-270-767-58305	Sequence 58305, A	576	64	5.2	355	2	US-09-134-000C-4229	Sequence 4229, Ap
486	65	5.2	280	2	US-09-328-352-6359	Sequence 6359, Ap	577	64	5.2	357	2	US-09-902-540-13490	Sequence 13490, A
487	65	5.2	313	2	US-09-248-796A-17065	Sequence 17065, A	578	64	5.2	452	2	US-09-489-039A-7	Sequence 9355, Ap

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539	64	5.2	474	2	US-09-058-692-2	Sequence 2, Appli	691	63.5	5.1	304	2	US-09-902-540-15013	Sequence 15013, A
600	64	5.2	474	2	US-09-584-628-2	Sequence 2, Appli	692	63.5	5.1	309	2	US-09-602-787A-328	Sequence 328, App
601	64	5.2	485	2	US-09-252-991A-4868	Sequence 24868, A	693	63.5	5.1	350	2	US-09-252-991A-18973	Sequence 18973, A
602	64	5.2	486	2	US-10-668-047A-2	Sequence 2, Appli	694	63.5	5.1	356	2	US-09-489-039A-11918	Sequence 11918, A
603	64	5.2	507	2	US-09-792-024-109	Sequence 109, App	695	63.5	5.1	359	2	US-09-134-001C-4842	Sequence 4842, Ap
604	64	5.2	509	2	US-09-252-991A-23445	Sequence 23445, A	696	63.5	5.1	378	2	US-09-270-767-44209	Sequence 44209, A
605	64	5.2	540	2	US-09-426-509A-8	Sequence 26410, A	697	63.5	5.1	378	2	US-09-789-300A-4	Sequence 4, Appli
606	64	5.2	607	2	US-08-969-683A-59	Sequence 59, Appl	698	63.5	5.1	397	2	US-09-721-870-105	Sequence 105, Appl
607	64	5.2	607	2	US-09-830-751-10	Sequence 10, Appl	699	63.5	5.1	411	2	US-09-248-796A-15503	Sequence 15503, A
608	64	5.2	607	2	US-09-308-207-59	Sequence 59, Appl	700	63.5	5.1	428	2	US-09-134-000C-6085	Sequence 6085, Ap
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610	64	5.2	659	2	US-08-426-509A-8	Sequence 8, Appli	702	63.5	5.1	436	2	US-08-669-378-4	Sequence 4, Appli
611	64	5.2	659	2	US-08-232-545-8	Sequence 8, Appli	703	63.5	5.1	436	2	US-08-669-378-6	Sequence 6, Appli
612	64	5.2	659	2	US-09-949-016-5880	Sequence 5880, Ap	704	63.5	5.1	436	2	US-08-669-378-8	Sequence 8, Appli
613	64	5.2	659	2	US-09-977-261-8	Sequence 8, Appli	705	63.5	5.1	436	2	US-08-669-378-10	Sequence 10, Appl
614	64	5.2	659	5	PCR-US95-05008-8	Sequence 8, Appli	706	63.5	5.1	436	2	US-08-669-378-12	Sequence 12, Appl
615	64	5.2	673	2	US-09-949-016-7226	Sequence 7226, Ap	707	63.5	5.1	441	2	US-09-540-236-2016	Sequence 2016, Ap
616	64	5.2	676	2	US-09-252-991A-29628	Sequence 29628, A	708	63.5	5.1	445	2	US-09-328-352-6669	Sequence 6669, Ap
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618	64	5.2	692	2	US-09-538-092-632	Sequence 534, App	710	63.5	5.1	488	2	US-09-248-796A-16184	Sequence 16184, A
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620	64	5.2	704	2	US-09-179-558-56	Sequence 56, Appl	730	63.5	5.1	499	2	US-09-721-870-40	Sequence 40, Appl
621	64	5.2	727	2	US-09-722-487-56	Sequence 56, Appl	731	63.5	5.1	534	2	US-09-198-452A-217	Sequence 217, App
622	64	5.2	727	2	US-09-722-487-56	Sequence 56, Appl	732	63.5	5.1	534	2	US-09-438-185A-200	Sequence 200, App
623	64	5.2	727	2	US-09-722-487-56	Sequence 56, Appl	733	63.5	5.1	548	2	US-09-252-991A-23157	Sequence 23157, A
624	64	5.2	727	2	US-09-722-487-56	Sequence 56, Appl	734	63.5	5.1	549	2	US-09-345-473E-32	Sequence 32, Appl
625	64	5.2	837	2	US-09-122-126B-2	Sequence 2, Appli	735	63.5	5.1	549	2	US-09-862-027-32	Sequence 32, Appl
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627	64	5.2	837	2	US-10-247-685-2	Sequence 2, Appli	737	63.5	5.1	565	2	US-08-952-365-8	Sequence 8, Appli
628	64	5.2	837	2	US-09-949-002-380	Sequence 380, App	738	63.5	5.1	586	1	US-08-630-822A-70	Sequence 70, Appl
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635	64	5.2	1158	2	US-09-060-482-2	Sequence 2, Appli	745	63.5	5.1	660	2	US-09-462-606-51	Sequence 51, Appl
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637	64	5.2	1204	2	US-09-583-110-4083	Sequence 4083, Ap	747	63.5	5.1	671	2	US-09-303-518D-330	Sequence 330, App
638	64	5.2	1262	2	US-09-107-433-5067	Sequence 5067, Ap	748	63.5	5.1	671	2	US-09-303-518D-332	Sequence 332, App
639	64	5.2	1269	2	US-09-645-456A-15	Sequence 15, Appl	749	63.5	5.1	671	2	US-09-303-518D-336	Sequence 336, App
640	64	5.2	1269	2	US-09-425-324A-15	Sequence 15, Appl	750	63.5	5.1	754	2	US-09-392-714-20	Sequence 20, Appl
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642	64	5.2	1269	2	US-09-425-324A-13	Sequence 13, Appl	752	63.5	5.1	763	1	US-09-252-991A-2	Sequence 2, Appli
643	64	5.2	1269	2	US-09-645-456A-14	Sequence 14, Appl	753	63.5	5.1	763	1	US-09-434-065-2	Sequence 2, Appli
644	64	5.2	1269	2	US-09-645-456A-14	Sequence 14, Appl	754	63.5	5.1	763	2	US-08-789-275-4	Sequence 4, Appli
645	64	5.2	1269	2	US-09-645-456A-13	Sequence 13, Appl	755	63.5	5.1	763	2	US-08-789-275-5	Sequence 5, Appli
646	64	5.2	1269	2	US-09-425-324A-13	Sequence 13, Appl	756	63.5	5.1	771	2	US-09-079-592-2	Sequence 2, Appli
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652	64	5.2	1353	2	US-09-645-456A-11	Sequence 11, Appl	762	63.5	5.1	865	2	US-09-957-995A-19	Sequence 19, Appl
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657	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	767	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
658	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	768	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
659	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	769	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
660	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	770	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
661	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	771	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
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670	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	780	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
671	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	781	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
672	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	782	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
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675	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	785	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
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678	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	788	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
679	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	789	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
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681	64	5.2	1353	2	US-09-645-456A-11	Sequence 8, Appli	791	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
682	64	5.2	1353	2	US-09-645-456A								

780	63.5	5.1	5518	2	US-09-953-096-2	Sequence 2, Appli	872	62.5	5.0	425	2	US-09-328-352-4553	Sequence 4553, Ap
781	63	5.1	107	2	US-09-252-991A-32458	Sequence 32458, A	873	62.5	5.0	445	2	US-09-252-991A-24267	Sequence 24267, A
782	63	5.1	236	2	US-09-583-110-3029	Sequence 3029, Ap	874	62.5	5.0	446	2	US-09-761-716-2	Sequence 2, Appli
783	63	5.1	241	2	US-09-107-433-4815	Sequence 4815, Ap	875	62.5	5.0	446	2	US-09-824-735-2	Sequence 2, Appli
803	63	5.1	280	2	US-09-489-039A-12451	Sequence 12451, A	876	62.5	5.0	446	3	US-10-321-382-2	Sequence 2, Appli
804	63	5.1	293	2	US-09-496-320-5	Sequence 5, Appli	877	62.5	5.0	447	2	US-09-388-089B-2	Sequence 2, Appli
805	63	5.1	303	2	US-10-094-749-2133	Sequence 2133, Ap	878	62.5	5.0	451	2	US-09-303-518D-210	Sequence 210, App
806	63	5.1	309	2	US-10-759-889-2	Sequence 2, Appli	879	62.5	5.0	456	2	US-09-134-000C-5403	Sequence 5403, App
807	63	5.1	332	2	US-09-270-767-46100	Sequence 46100, A	880	62.5	5.0	468	1	US-07-985-458-4	Sequence 4, Appli
808	63	5.1	348	2	US-09-315-794-42	Sequence 42, Appli	881	62.5	5.0	472	2	US-09-489-039A-10123	Sequence 10123, A
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810	63	5.1	354	2	US-09-583-110-2980	Sequence 2980, Ap	883	62.5	5.0	493	2	US-09-248-796A-16445	Sequence 16445, A
811	63	5.1	358	5	PCT-US95-10403-2	Sequence 2, Appli	884	62.5	5.0	498	2	US-09-388-089B-11	Sequence 11, Appli
812	63	5.1	360	2	US-09-107-433-4464	Sequence 4464, Ap	885	62.5	5.0	504	2	US-09-252-991A-29537	Sequence 29537, A
813	63	5.1	373	2	US-09-710-279-890	Sequence 890, App	886	62.5	5.0	517	2	US-09-252-991A-18850	Sequence 18850, A
814	63	5.1	379	2	US-09-710-279-2084	Sequence 2084, Ap	887	62.5	5.0	517	2	US-09-252-991A-22249	Sequence 22249, A
815	63	5.1	385	2	US-09-134-001C-3688	Sequence 3688, Ap	888	62.5	5.0	542	2	US-09-198-452A-496	Sequence 496, App
816	63	5.1	405	2	US-09-919-497-63	Sequence 63, Appli	889	62.5	5.0	575	2	US-09-134-000C-5478	Sequence 5478, Ap
817	63	5.1	474	2	US-09-828-995B-17	Sequence 17, Appli	890	62.5	5.0	640	2	US-09-252-991A-32521	Sequence 32521, A
818	63	5.1	479	2	US-09-949-016-9255	Sequence 9255, Ap	891	62.5	5.0	652	2	US-09-347-833-2	Sequence 2, Appli
819	63	5.1	502	2	US-10-104-047-2388	Sequence 2388, Ap	892	62.5	5.0	660	2	US-09-462-606-52	Sequence 52, Appli
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821	63	5.1	560	2	US-08-854-050-6	Sequence 6, Appli	894	62.5	5.0	695	2	US-09-513-057C-2	Sequence 2, Appli
822	63	5.1	560	2	US-09-430-323-6	Sequence 6, Appli	895	62.5	5.0	695	2	US-09-513-057C-35	Sequence 35, Appli
823	63	5.1	560	2	US-09-766-253-6	Sequence 6, Appli	896	62.5	5.0	695	2	US-09-746-801A-2	Sequence 2, Appli
824	63	5.1	560	2	US-10-054-295-6	Sequence 6, Appli	897	62.5	5.0	695	2	US-09-746-801A-35	Sequence 35, Appli
825	63	5.1	560	2	US-09-438-486A-6	Sequence 6, Appli	898	62.5	5.0	695	2	US-10-719-885-2	Sequence 35, Appli
826	63	5.1	560	3	US-10-054-611-6	Sequence 6, Appli	899	62.5	5.0	696	2	US-10-719-885-35	Sequence 464, App
827	63	5.1	578	2	US-09-248-796A-16619	Sequence 16619, A	900	62.5	5.0	726	2	US-09-438-185A-464	Sequence 464, App
828	63	5.1	585	2	US-09-902-540-16736	Sequence 16736, A	901	62.5	5.0	726	2	US-09-949-016-10050	Sequence 10050, A
829	63	5.1	598	2	US-09-107-532A-7027	Sequence 7027, Ap	902	62.5	5.0	732	2	US-09-134-000C-6359	Sequence 6359, Ap
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832	63	5.1	685	2	US-08-937-067-14	Sequence 14, Appli	905	62.5	5.0	825	2	US-09-248-796A-16538	Sequence 16538, A
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834	63	5.1	788	2	US-08-630-915A-30	Sequence 30, Appli	907	62.5	5.0	865	2	US-09-751-687-16	Sequence 16, Appli
835	63	5.1	788	2	US-09-879-957-30	Sequence 30, Appli	908	62.5	5.0	878	2	US-09-403-618A-8	Sequence 8, Appli
836	63	5.1	871	2	US-09-252-991A-29422	Sequence 29422, A	909	62.5	5.0	884	2	US-09-741-150-4	Sequence 4, Appli
837	63	5.1	922	2	US-09-345-236B-89	Sequence 89, Appli	910	62.5	5.0	884	2	US-10-160-187-4	Sequence 4, Appli
838	63	5.1	1015	2	US-09-949-016-6276	Sequence 89, Appli	911	62.5	5.0	898	1	US-08-867-941-11	Sequence 11, Appli
839	63	5.1	1070	2	US-09-949-016-11321	Sequence 6276, Ap	912	62.5	5.0	921	2	US-09-427-533B-2	Sequence 2, Appli
840	63	5.1	1422	2	US-08-469-260A-86	Sequence 86, Appli	913	62.5	5.0	962	2	US-09-731-166-2	Sequence 2, Appli
841	63	5.1	1422	2	US-08-488-446-86	Sequence 86, Appli	914	62.5	5.0	1019	2	US-09-543-681A-4447	Sequence 4447, Ap
842	63	5.1	1422	2	US-08-467-344A-86	Sequence 86, Appli	934	62.5	5.0	1185	2	US-09-252-991A-18328	Sequence 18328, A
843	63	5.1	1422	2	US-08-424-550B-86	Sequence 86, Appli	935	62.5	5.0	1209	2	US-09-130-158A-2	Sequence 2, Appli
844	63	5.1	1509	2	US-09-676-519-27	Sequence 27, Appli	936	62.5	5.0	1479	2	US-10-037-417-36	Sequence 36, Appli
845	63	5.1	1610	2	US-09-602-787A-14	Sequence 14, Appli	937	62.5	5.0	1609	2	US-10-197-220-75	Sequence 75, Appli
846	63	5.1	1610	2	US-09-602-787A-56	Sequence 56, Appli	938	62.5	5.0	1617	2	US-09-198-452A-1035	Sequence 1035, Ap
847	63	5.1	1841	2	US-09-477-962-99	Sequence 99, Appli	939	62.5	5.0	1617	2	US-09-438-185A-965	Sequence 965, App
848	63	5.1	2972	2	US-09-579-181-2	Sequence 2, Appli	940	62.5	5.0	2439	2	US-09-074-658B-11	Sequence 11, Appli
849	63	5.1	3118	2	US-09-579-181-1	Sequence 1, Appli	941	62.5	5.0	2940	2	US-10-226-629A-13	Sequence 13, Appli
850	63	5.1	5069	2	US-10-042-665A-5	Sequence 5, Appli	942	62.5	5.0	3033	3	US-10-009-011-4	Sequence 4, Appli
851	62.5	5.0	155	2	US-09-270-767-45172	Sequence 45172, A	943	62.5	5.0	3052	1	US-08-557-122A-26	Sequence 26, Appli
852	62.5	5.0	215	2	US-09-710-279-1038	Sequence 1038, Ap	944	62.5	5.0	3052	1	US-09-262-666-26	Sequence 26, Appli
853	62.5	5.0	230	2	US-09-673-395A-256	Sequence 256, App	945	62.5	5.0	67	1	US-08-470-892-6	Sequence 6, Appli
854	62.5	5.0	271	2	US-09-107-532A-5157	Sequence 5157, Ap	946	62.5	5.0	67	1	US-08-485-069-6	Sequence 6, Appli
855	62.5	5.0	276	2	US-09-902-540-14443	Sequence 14443, A	947	62.5	5.0	68	2	US-09-621-976-6361	Sequence 6361, Ap
856	62.5	5.0	280	2	US-09-583-110-3709	Sequence 3709, Ap	948	62.5	5.0	100	2	US-09-411-067C-5	Sequence 5, Appli
857	62.5	5.0	285	2	US-09-328-352-6881	Sequence 6881, Ap	949	62.5	5.0	143	2	US-09-252-991A-21044	Sequence 21044, A
858	62.5	5.0	336	2	US-09-902-540-1891	Sequence 1891, A	950	62.5	5.0	167	2	US-08-961-083-138	Sequence 138, App
859	62.5	5.0	349	2	US-09-802-213-7	Sequence 7, Appli	951	62.5	5.0	167	2	US-09-536-784-138	Sequence 138, App
860	62.5	5.0	351	1	US-08-468-012A-2	Sequence 2, Appli	952	62.5	5.0	167	2	US-09-765-271-138	Sequence 138, App
861	62.5	5.0	351	2	US-09-054-989-2	Sequence 2, Appli	953	62.5	5.0	167	2	US-09-765-272A-138	Sequence 138, App
862	62.5	5.0	352	2	US-09-143-184-56	Sequence 56, Appli	954	62.5	5.0	202	2	US-08-882-994-74	Sequence 78, Appli
863	62.5	5.0	354	2	US-09-434-001C-5588	Sequence 5588, Ap	955	62.5	5.0	292	2	US-09-902-540-16595	Sequence 16595, A
864	62.5	5.0	366	1	US-08-466-103A-4	Sequence 4, Appli	956	62.5	5.0	320	2	US-09-248-796A-15335	Sequence 15335, A
865	62.5	5.0	366	1	US-08-896-365-7	Sequence 7, Appli	957	62.5	5.0	340	2	US-09-248-796A-16140	Sequence 16140, A
866	62.5	5.0	369	2	US-09-902-540-18817	Sequence 18817, A	958	62.5	5.0	343	2	US-09-902-540-13926	Sequence 13926, A
867	62.5	5.0	381	2	US-09-134-001C-3972	Sequence 3972, Ap	959	62.5	5.0	360	2	US-09-489-039A-8125	Sequence 8125, App
868	62.5	5.0	394	2	US-09-252-991A-18502	Sequence 18502, Ap	960	62.5	5.0	370	7	US-09-489-039A-8125	Sequence 8125, App
869	62.5	5.0	407	2	US-09-489-039A-10855	Sequence 10855, A	961	62.5	5.0	380	1	US-08-773-870-5	Sequence 5, Appli
870	62.5	5.0	421	2	US-09-668-262A-16	Sequence 16, Appli	962	62.5	5.0	405	2	US-09-537-357-54	Sequence 54, Appli
871	62.5	5.0	421	2	US-10-427-442-16	Sequence 16, Appli	963	62.5	5.0	405	2	US-08-845-381E-64	Sequence 64, Appli

964	62	5.0	426	1	US-08-455-550-21	Sequence 21, Appl	1037	61.5	5.0	325	2	US-09-248-796A-20081	Sequence 20081, A
965	62	5.0	431	2	US-09-252-991A-21632	Sequence 21632, A	1038	61.5	5.0	326	2	US-09-120-365-67	Sequence 67, Appl
966	62	5.0	433	2	US-08-624-735E-9	Sequence 9, Appl1	1039	61.5	5.0	327	2	US-09-515-039-67	Sequence 67, Appl
967	62	5.0	436	2	US-09-107-532A-6893	Sequence 6893, Ap	1040	61.5	5.0	328	2	US-09-248-796A-15071	Sequence 15071, A
968	62	5.0	481	2	US-08-248-796A-20797	Sequence 20797, A	1041	61.5	5.0	360	2	US-10-138-701-36	Sequence 36, Appl
969	62	5.0	501	1	US-08-149-105-15	Sequence 15, Appl	1042	61.5	5.0	370	2	US-09-252-991A-22690	Sequence 22690, A
970	62	5.0	501	1	US-08-317-847-15	Sequence 15, Appl	1043	61.5	5.0	375	2	US-09-134-001C-3533	Sequence 3533, Ap
971	62	5.0	505	2	US-09-382-256-8	Sequence 8, Appl1	1044	61.5	5.0	375	2	US-09-328-352-4984	Sequence 4984, Ap
972	62	5.0	505	2	US-09-395-115-8	Sequence 8, Appl1	1045	61.5	5.0	382	2	US-09-919-831-3	Sequence 3, Appl1
973	62	5.0	505	2	US-08-436-265-8	Sequence 8, Appl1	1046	61.5	5.0	394	2	US-09-107-532A-767	Sequence 3767, Ap
974	62	5.0	505	2	US-09-679-187-8	Sequence 8, Appl1	1047	61.5	5.0	395	2	US-09-252-991A-24596	Sequence 24596, A
975	62	5.0	505	2	US-09-267-963D-8	Sequence 8, Appl1	1048	61.5	5.0	413	2	US-08-426-630-26	Sequence 26, Appl
976	62	5.0	505	2	US-09-903-068C-8	Sequence 8, Appl1	1049	61.5	5.0	417	2	US-09-270-767-19071	Sequence 39071, A
977	62	5.0	507	7	5165925-4	Patent No. 5165925	1050	61.5	5.0	417	2	US-09-270-767-52288	Sequence 54288, A
978	62	5.0	532	2	US-09-270-767-46369	Sequence 46369, A	1051	61.5	5.0	425	2	US-09-252-991A-3004	Sequence 3004, A
979	62	5.0	534	2	US-09-328-352-6713	Sequence 6713, Ap	1052	61.5	5.0	427	2	US-09-328-352-6574	Sequence 16028, A
980	62	5.0	541	2	US-09-248-796A-25057	Sequence 25057, A	1053	61.5	5.0	449	1	US-08-927-394-2	Sequence 2, Appl1
981	62	5.0	543	2	US-10-104-047-3761	Sequence 3761, Ap	1054	61.5	5.0	449	2	US-09-538-092-1372	Sequence 1372, Ap
982	62	5.0	549	2	US-09-107-532A-6840	Sequence 6840, Ap	1055	61.5	5.0	449	2	US-09-948-016-6604	Sequence 6604, Ap
983	62	5.0	550	2	US-09-252-991A-27117	Sequence 27117, A	1056	61.5	5.0	453	2	US-09-252-991A-17641	Sequence 17641, A
984	62	5.0	555	2	US-09-107-532A-6422	Sequence 6422, Ap	1057	61.5	5.0	459	2	US-09-134-000C-5404	Sequence 5404, Ap
985	62	5.0	569	2	US-09-252-991A-32290	Sequence 32290, A	1058	61.5	5.0	463	2	US-09-328-352-6574	Sequence 6574, Ap
986	62	5.0	580	2	US-08-665-259-21	Sequence 21, Appl	1059	61.5	5.0	485	2	US-10-140-372-12	Sequence 12, Appl
987	62	5.0	580	2	US-08-762-500-21	Sequence 21, Appl	1071	61.5	5.0	529	2	US-09-270-767-43463	Sequence 43463, A
988	62	5.0	591	2	US-09-134-000C-5399	Sequence 5399, Ap	1072	61.5	5.0	563	2	US-09-948-016-10153	Sequence 10153, A
989	62	5.0	617	2	US-09-252-991A-23472	Sequence 23472, A	1073	61.5	5.0	573	2	US-09-134-001C-4656	Sequence 4656, Ap
990	62	5.0	622	2	US-09-543-681A-7522	Sequence 7522, Ap	1074	61.5	5.0	579	2	US-08-743-168B-36	Sequence 36, Appl
991	62	5.0	642	2	US-09-902-540-10443	Sequence 10443, A	1075	61.5	5.0	581	2	US-09-270-767-45723	Sequence 45723, A
992	62	5.0	664	2	US-09-590-991-6	Sequence 6, Appl1	1076	61.5	5.0	596	2	US-09-248-796A-18495	Sequence 18495, A
993	62	5.0	689	2	US-09-425-335-2	Sequence 4, Appl1	1077	61.5	5.0	625	1	US-08-365-981-13	Sequence 13, Appl
994	62	5.0	911	2	US-08-460-269C-4	Sequence 4, Appl1	1078	61.5	5.0	629	2	US-10-104-047-3405	Sequence 3405, Ap
995	62	5.0	911	2	US-10-302-896-4	Sequence 4, Appl1	1079	61.5	5.0	660	2	US-09-462-606-53	Sequence 53, Appl
996	62	5.0	930	3	US-10-369-983-12	Sequence 12, Appl	1080	61.5	5.0	688	2	US-09-902-540-10297	Sequence 10297, A
997	62	5.0	950	2	US-10-009-332-1	Sequence 1, Appl1	1081	61.5	5.0	848	2	US-09-252-991A-2784	Sequence 27842, A
998	62	5.0	1007	2	US-08-961-083-216	Sequence 216, Appl	1082	61.5	5.0	857	2	US-09-252-991A-17164	Sequence 13164, A
999	62	5.0	1007	2	US-09-536-784-216	Sequence 216, App	1083	61.5	5.0	886	1	US-08-474-379C-65	Sequence 65, Appl
1000	62	5.0	1007	2	US-09-765-272A-216	Sequence 216, App	1084	61.5	5.0	886	2	US-09-146-249A-65	Sequence 65, Appl
1001	62	5.0	1007	2	US-09-765-272A-216	Sequence 216, App	1085	61.5	5.0	886	2	US-08-206-188B-65	Sequence 65, Appl
1002	62	5.0	1017	2	US-09-538-092-319	Sequence 319, App	1086	61.5	5.0	901	2	US-09-917-254-93	Sequence 93, Appl
1003	62	5.0	1037	2	US-08-854-585-2	Sequence 2, Appl1	1087	61.5	5.0	989	1	US-08-070-301-16	Sequence 16, Appl
1004	62	5.0	1337	2	US-09-447-533-2	Sequence 2, Appl1	1088	61.5	5.0	1027	2	US-09-107-532A-6675	Sequence 6675, Ap
1005	62	5.0	1337	5	PCT-US95-05512-2	Sequence 2, Appl1	1089	61.5	5.0	1536	1	US-08-302-832-2	Sequence 2, Appl1
1006	62	5.0	1527	2	US-09-695-795A-4	Sequence 4, Appl1	1090	61.5	5.0	1536	1	US-08-302-832-2	Sequence 2, Appl1
1007	62	5.0	1529	2	US-09-107-433-4771	Sequence 4771, Ap	1091	61.5	5.0	1536	1	US-08-530-198-2	Sequence 2, Appl1
1008	62	5.0	1670	2	US-09-902-540-15506	Sequence 15506, A	1092	61.5	5.0	1536	1	US-08-469-880-2	Sequence 2, Appl1
1009	62	5.0	1835	2	US-09-404-650-5	Sequence 5, Appl1	1093	61.5	5.0	1536	1	US-08-728-470-2	Sequence 2, Appl1
1010	62	5.0	1835	2	US-09-935-541-5	Sequence 5, Appl1	1094	61.5	5.0	1536	1	US-08-617-697-2	Sequence 2, Appl1
1011	62	5.0	1835	2	US-10-425-800-5	Sequence 5, Appl1	1095	61.5	5.0	1536	2	US-08-719-641-2	Sequence 2, Appl1
1012	62	5.0	1884	2	US-08-836-325-10	Sequence 10, Appl	1096	61.5	5.0	1590	2	US-09-617-099B-1	Sequence 1, Appl1
1013	62	5.0	1984	2	US-09-457-571-10	Sequence 10, Appl	1097	61.5	5.0	1590	2	US-10-180-326A-1	Sequence 1, Appl1
1014	62	5.0	1989	2	US-08-836-325-12	Sequence 12, Appl	1098	61.5	5.0	1642	1	US-08-447-411-45	Sequence 45, Appl
1015	62	5.0	2074	2	US-09-457-571-12	Sequence 12, Appl	1099	61.5	5.0	1642	1	US-08-662-227-2	Sequence 2, Appl1
1016	62	5.0	2074	2	US-09-491-356C-9	Sequence 9, Appl1	1100	61.5	5.0	1642	2	US-09-017-947-2	Sequence 2, Appl1
1017	62	5.0	2138	2	US-09-583-110-5274	Sequence 5274, Ap	1101	61.5	5.0	1642	2	US-09-925-442-2	Sequence 2, Appl1
1018	61.5	5.0	123	2	US-09-107-532A-5583	Sequence 5583, Ap	1102	61.5	5.0	1648	1	US-08-662-227-35	Sequence 35, Appl
1019	61.5	5.0	123	2	US-09-107-532A-5584	Sequence 5584, Ap	1103	61.5	5.0	1648	2	US-09-017-947-35	Sequence 35, Appl
1020	61.5	5.0	123	2	US-09-134-000C-6555	Sequence 6555, Ap	1104	61.5	5.0	1648	2	US-09-925-442-35	Sequence 35, Appl
1021	61.5	5.0	178	2	US-09-902-540-15205	Sequence 15205, A	1105	61.5	5.0	1724	2	US-09-964-899-43	Sequence 43, Appl
1022	61.5	5.0	207	2	US-09-270-767-44744	Sequence 44744, A	1106	61.5	5.0	1827	2	US-09-712-363-261	Sequence 261, App
1023	61.5	5.0	208	2	US-09-949-016-9078	Sequence 9078, Ap	1107	61.5	5.0	2254	2	US-09-949-016-9270	Sequence 9270, Ap
1024	61.5	5.0	217	2	US-09-369-247-113	Sequence 113, App	1108	61.5	4.9	125	2	US-10-104-047-3195	Sequence 3195, Ap
1025	61.5	5.0	217	2	US-10-062-548-113	Sequence 113, App	1109	61.5	4.9	140	2	US-09-107-532A-6589	Sequence 6589, Ap
1026	61.5	5.0	234	2	US-09-144-776B-12	Sequence 12, Appl	1110	61.5	4.9	141	2	US-10-125-258-85	Sequence 85, Appl
1027	61.5	5.0	234	2	US-08-882-431B-12	Sequence 12, Appl	1111	61.5	4.9	142	2	US-10-125-258-52	Sequence 52, Appl
1028	61.5	5.0	244	1	US-08-762-129-4	Sequence 4, Appl1	1112	61.5	4.9	142	2	US-10-125-258-53	Sequence 53, Appl
1029	61.5	5.0	245	2	US-09-902-540-13459	Sequence 13459, A	1113	61.5	4.9	143	2	US-10-125-258-49	Sequence 49, Appl
1030	61.5	5.0	259	2	US-09-370-253-4	Sequence 4, Appl1	1114	61.5	4.9	143	2	US-10-125-258-50	Sequence 50, Appl
1031	61.5	5.0	259	2	US-09-270-767-42517	Sequence 42517, A	1115	61.5	4.9	155	2	US-08-821-994-43	Sequence 86, Appl
1032	61.5	5.0	261	2	US-09-303-518D-872	Sequence 872, App	1116	61.5	4.9	156	2	US-08-821-994-43	Sequence 42, Appl
1033	61.5	5.0	263	2	US-09-134-001C-5008	Sequence 5008, Ap	1117	61.5	4.9	167	2	US-08-821-994-43	Sequence 43, Appl
1034	61.5	5.0	275	3	US-10-375-039-40	Sequence 40, Appl	1118	61.5	4.9	194	2	US-09-252-991A-24441	Sequence 24441, A
1035	61.5	5.0	305	2	US-09-902-540-12235	Sequence 12235, A	1119	61.5	4.9	194	2	US-09-270-767-44297	Sequence 44297, A
1036	61.5	5.0	309	2	US-09-252-991A-25953	Sequence 25953, A	1120	61.5	4.9	206	2	US-08-821-994-77	Sequence 77, Appl

1121	61	4.9	208	2	US-09-125-619-47	Sequence 47, Appl	1194	61	4.9	668	2	US-09-252-991A-22794	Sequence 22794, A
1122	61	4.9	208	2	US-10-223-566-47	Sequence 47, Appl	1195	61	4.9	670	2	US-09-489-039A-9163	Sequence 9163, Ap
1123	61	4.9	208	2	US-10-143-024A-47	Sequence 47, Appl	1196	61	4.9	686	1	US-08-993-228-12	Sequence 12, Appl
1124	61	4.9	208	2	US-10-223-162-47	Sequence 47, Appl	1197	61	4.9	687	2	US-09-252-991A-26187	Sequence 26187, A
1125	61	4.9	213	2	US-09-771-161A-156	Sequence 156, App	1198	61	4.9	716	2	US-09-252-991A-21345	Sequence 21345, A
1126	61	4.9	223	2	US-09-270-767-34557	Sequence 34557, A	1199	61	4.9	752	2	US-09-252-991A-17355	Sequence 17355, A
1127	61	4.9	225	2	US-09-270-767-49774	Sequence 49774, A	1200	61	4.9	787	2	US-09-205-448-8	Sequence 8, Appl1
1128	61	4.9	232	2	US-10-259-275-21	Sequence 21, Appl	1201	61	4.9	822	2	US-09-886-319A-34	Sequence 34, Appl1
1129	61	4.9	251	2	US-09-270-767-46744	Sequence 46744, A	1202	61	4.9	833	2	US-09-252-991A-25327	Sequence 25327, A
1130	61	4.9	256	2	US-09-627-165E-6	Sequence 6, Appl1	1203	61	4.9	850	2	US-09-583-110-4394	Sequence 4394, Ap
1131	61	4.9	261	2	US-09-583-110-4382	Sequence 4382, Ap	1204	61	4.9	861	2	US-09-107-433-2860	Sequence 2860, Ap
1132	61	4.9	268	2	US-09-543-681A-7689	Sequence 7689, Ap	1205	61	4.9	861	2	US-09-902-540-12877	Sequence 12877, A
1133	61	4.9	269	2	US-09-248-796A-19631	Sequence 19631, A	1206	61	4.9	888	1	US-08-445-640-35	Sequence 35, Appl
1134	61	4.9	281	2	US-09-270-767-60766	Sequence 60766, A	1207	61	4.9	888	2	US-08-170-558-35	Sequence 35, Appl
1135	61	4.9	282	2	US-09-543-681A-4801	Sequence 4801, A	1208	61	4.9	888	2	US-08-447-314-35	Sequence 35, Appl
1136	61	4.9	310	2	US-09-489-039A-13674	Sequence 13674, A	1209	61	4.9	888	2	US-08-445-461-35	Sequence 35, Appl
1137	61	4.9	317	2	US-09-583-110-5279	Sequence 5279, Ap	1210	61	4.9	888	2	US-09-223-490-35	Sequence 35, Appl
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1139	61	4.9	328	2	US-08-821-994-84	Sequence 84, Appl	1212	61	4.9	893	2	US-09-514-302-4	Sequence 4, Appl1
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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 05-Sep-1997
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-04-11
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EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 280
LENGTH: 168

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Best Local Similarity 100.0%; Pred. No. 8.3e-91;
Matches 168; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 WISARVLVDGEHGVFLKTDGSPVVDHIPSQSYVVEVVSPPAYRFPDVRVDITSGKKRRA 120
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Db      121 RYVNYIKTSEVRLPYPLQMKSSGPPSYFIKRESGWTDFLNNPVM 168
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RESULT 2
US-09-621-011-280
; Sequence 280, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; CURRENT FILING DATE: 2000-07-20
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 280
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-011-280

Query Match
Best Local Similarity 100.0%; Pred. No. 8.3e-91; Length 168;
Matches 168; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      61 WISARVLDGEHVGFLKTDGSPFVVDIPSGSYVEVVSAPYRDPVAVDITSGKMKRA 120
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RESULT 3
US-09-621-976-3888
; Sequence 3888, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent .pm
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; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
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; LOCATION: -23...-1
US-09-621-976-3888

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Qy      61 WISARVLDGEHVGFLKTDGSPFVVDIPSGSYVEVVSAPYRDPVAVDITSGKMKRA 120
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RESULT 4
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; Sequence 4221, Application US/0951399C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
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; TYPE: PRT
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US-09-513-999C-4221

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Qy      200 MLNSNHELDPVSEFMTRLFSSKSGSKS 227
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Db      61 MLNSNHELDPVSEFMTRLFSSKSGSKS 88
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RESULT 5
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; Sequence 198, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,161
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
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; EARLIER APPLICATION NUMBER: 60/040,336
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043, 670
; EARLIER FILING DATE: 1997-04-11
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; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056, 908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048, 964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057, 650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056, 884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 198
; LENGTH: 74
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Matches 74; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      169 MVLPLILFVLLPKVNTSDPDMRREMEQSMNMLNSNHELPDVSEFMTLFFSSKSGKSSS 228
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Qy      229 GSSKTGKSGAGKRR 242
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; Sequence 198, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621, 011
; CURRENT FILING DATE: 2000-07-20
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 198
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-011-198
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Query Match      29.5%; Score 367; DB 2; Length 74;
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Qy      229 GSSKTGKSGAGKRR 242
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Db      61 GSSKTGKSGAGKRR 74
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RESULT 7
US-09-471-276-815
; Sequence 815, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6822072
; FILE REFERENCE: GENSET, 025CPI
; CURRENT APPLICATION NUMBER: US/09/471, 276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057, 719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069, 047
; EARLIER FILING DATE: 1998-04-28
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 815
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; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -23...-1
US-09-471-276-815
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Query Match      19.2%; Score 239; DB 2; Length 50;
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RESULT 8
US-10-104-047-3933
; Sequence 3933, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104, 047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
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; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3933
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Best Local Similarity 23.3%; Pred. No. 0.041; Indels 81; Gaps 11;
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Matches 55; Conservative 28; Mismatches 72; Indels 81; Gaps 11;
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Qy      27 PCAAEGSGGSGVGIGDFKIEGRAVVPQVPPQDWISARVLDGEEHVGFLKTDGSPFV 86
Db      41 PRDTRAGGCGGTGKGPISAKGN-----GCGPRPV-----VQSDHQGTSKDLGSAEX 90
Qy      87 HD-----IPGSGYVEVVSPPAYRFPDPRVDITSGKMR-----RYVNIKTSE 130
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1	TITLE OF INVENTION: 70 Human Secreted Proteins
2	FILE REFERENCE: P2001p1
3	CURRENT APPLICATION NUMBER: US/09/148,545
4	EARLIER FILING DATE: 1998-09-04
5	EARLIER APPLICATION NUMBER: PCT/US98/04482
6	EARLIER FILING DATE: 1998-03-06
7	EARLIER APPLICATION NUMBER: 60/040,162
8	EARLIER FILING DATE: 1997-03-07
9	EARLIER APPLICATION NUMBER: 60/040,333
10	EARLIER FILING DATE: 1997-03-07
11	EARLIER APPLICATION NUMBER: 60/038,621
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13	EARLIER APPLICATION NUMBER: 60/040,161
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23	EARLIER APPLICATION NUMBER: 60/047,615
24	EARLIER FILING DATE: 1997-05-23
25	EARLIER APPLICATION NUMBER: 60/047,600
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27	EARLIER APPLICATION NUMBER: 60/047,597
28	EARLIER FILING DATE: 1997-05-23
29	EARLIER APPLICATION NUMBER: 60/047,502
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40	EARLIER FILING DATE: 1997-05-23
41	EARLIER APPLICATION NUMBER: 60/047,592
42	EARLIER FILING DATE: 1997-05-23
43	EARLIER APPLICATION NUMBER: 60/047,581
44	EARLIER FILING DATE: 1997-05-23
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47	EARLIER APPLICATION NUMBER: 60/047,500
48	EARLIER FILING DATE: 1997-05-23
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67	EARLIER APPLICATION NUMBER: 60/043,580
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72	EARLIER FILING DATE: 1997-04-11
73	EARLIER APPLICATION NUMBER: 60/043,569

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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-05-23

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EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 279
LENGTH: 17

Query Match 6.9%; Score 86; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.0057;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 105 FDPVRVDITSGKKRRAR 121
Db 1 FDPVRVDITSGKKRRAR 17
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RESULT 11
US-09-621-011-279
Sequence 279, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0


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/ SEQ ID NO 279
/ LENGTH: 17
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-621-011-279

Query Match
Best Local Similarity 6.9%; Score 86; DB 2; Length 17;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 105 FDPVRVDITSGKMRAR 121
DB 1 FDPVRVDITSGKMRAR 17

RESULT 12
US-09-328-352-6122
/ Sequence 6122, Application US/09328352
/ Patent No. 6562958
/ GENERAL INFORMATION:
/ APPLICANT: Gary L. Breton et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
/ FILE REFERENCE: GTC99-03PA
/ CURRENT APPLICATION NUMBER: US/09/328,352
/ NUMBER OF SEQ ID NOS: 8252
/ SEQ ID NO 6122
/ LENGTH: 213
/ TYPE: PRT
/ ORGANISM: Acinetobacter baumannii
US-09-328-352-6122

Query Match
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Matches 42; Conservative 37; Mismatches 47; Indels 69; Gaps 11;

QY 42 GDRFIEGRAVVPYKQPDWISAARVLDGEHVGFLKTDGSG---FVNHIDPSGYV 96
DB 2 GIKMDQGLV-----EWFD-----EKGYGFIDPDDEKERVFL-----HIK 38

QY 97 EVVSPAYRFDPV-----RVDTSGKMRARVYVYIKSEVVRLLPYLQMKSS----- 143
DB 39 DPARGPR--PIIGALAEVLVLDGRGRRAQOVYLLKASQTRKASKPAKTQSSFOASFW 96

QY 144 -----GPPSYFIKRESWGWTDFLNNPMVMVLP--LLIFVLLPKVNV-----TSDPDM-- 190
DB 97 SAMQGIYFVFV-----LMGIMSFHILPAVTLFLVMNVLSWLYSQDKKAAQ 146

QY 191 ---RREMOSNMMLN 202
DB 147 LGNRVRPEQTLHIVS 161

RESULT 13
US-09-902-540-13003
/ Sequence 13003, Application US/09902540
/ Patent No. 6833447
/ GENERAL INFORMATION:
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
/ FILE REFERENCE: 38-10(15849)B
/ CURRENT APPLICATION NUMBER: US/09/902,540
/ PRIOR FILING DATE: 2001-07-10
/ PRIOR FILING DATE: 2000-07-10
/ NUMBER OF SEQ ID NOS: 16825
/ SEQ ID NO 13003
/ LENGTH: 434
/ TYPE: PRT
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/ ORGANISM: Myxococcus xanthus
US-09-902-540-13003

Query Match
Best Local Similarity 6.9%; Score 85.5; DB 2; Length 434;
Matches 39; Conservative 26; Mismatches 42; Indels 65; Gaps 9;

QY 40 GIGDRFKIEGRAVVGK-KPDWISAARVLDGEHVGFLKTDGSGFVYVHDIS---GSTV 95
DB 161 GIGEAIVTLRGLKEGTGRPE--GARLGGVDEIP-LAQDGRFVVSGLPSWSPSR 216

QY 96 VEVVSP-----AYRDPVRVDITSGKMRARVYN 124
DB 217 VEVASPVRRPVAAATEQA-FDRPREPGRDAEYTVKAYRVLVLRKMDGAMRAQIEAR--- 273

QY 125 YIKTSEVVRLLPYPL-----QMKSSGPPSYFIKRESWGWTDFLNP 164
DB 274 -----TQKPPYVVLQRMWHEKQWELASSGA---YIQED-GVAVSLIEP 314

RESULT 14
US-09-949-016-11641
/ Sequence 11641, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMERPHISMS IN KNOWN GENES ASSOCIATED
/ FILE REFERENCE: CLO01307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ PRIOR FILING DATE: 2000-04-14
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 11641
/ LENGTH: 459
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-11641

Query Match
Best Local Similarity 6.9%; Score 85.5; DB 2; Length 459;
Matches 42; Conservative 33; Mismatches 47; Indels 45; Gaps 11;

QY 81 DGSFVY--HDIPSGSYVEVSP-----AYRDPVRVDITSGKMRAR--YVNYIKTS-- 129
DB 242 EGVYVMVGADVPFSSCLREVENPQQLRCSQEMEVV--ITCDKFRFQFYIDWKISLV 298

QY 130 -----EVVR---LRYFLQMKSSGPPSYFIKRESWGWTDFLNNPMVMVLP--LLI 175
DB 299 DKTQVSTYQEVIRGEIGLIPDGEYK--PPSDLSKSDY-YTDFLIT-LAVPSAVALVL 353

QY 176 FVLLPKVY-----NTSDPDMRREMOSNMMLNSNHELDPVSE 212
DB 354 FLILAYIMCCRREGVEKKNMOTPI--QLVHNSAIQSTKELRDMSK 398

RESULT 15
US-10-037-417-110
/ Sequence 110, Application US/10037417
/ Patent No. 6903201
/ GENERAL INFORMATION:
/ APPLICANT: Kekuda, Ramesh
/ APPLICANT: Alsobrook II, John P
/ APPLICANT: Tchiernev, Velizar T
/ APPLICANT: Liu, Xiaohong
/ APPLICANT: Spytek, Kimberly A
/ APPLICANT: Patturajan, Meera
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: APPLICANT: Grose, William M
: APPLICANT: Lepley, Denise M
: APPLICANT: Burgess, Catherine E
: APPLICANT: Verne, Corine A.M.
: APPLICANT: Li, Li
: APPLICANT: Gorman, Linda
: APPLICANT: Edinger, Shlomit R
: APPLICANT: Sciore, Paul
: APPLICANT: Ellerman, Karen
: APPLICANT: Malyanar, Uriel M
: APPLICANT: Rothenberg, Mark
: APPLICANT: Stone, David J
: APPLICANT: Boldog, Ferenc L
: APPLICANT: Guo, Xiaojia
: APPLICANT: Shenoy, Suresh G
: APPLICANT: Anderson, David W
: APPLICANT: Padigar, Muralidhara
: APPLICANT: Taupier Jr, Raymond J
: APPLICANT: Miller, Charles E
: APPLICANT: Eisen, Andrew J
: TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
: FILE REFERENCE: 21402-235
: CURRENT APPLICATION NUMBER: US/10/037,417
: PRIOR FILING DATE: 2002-09-20
: PRIOR APPLICATION NUMBER: 60/260,018
: PRIOR FILING DATE: 2001-01-05
: PRIOR APPLICATION NUMBER: 60/260,360
: PRIOR FILING DATE: 2001-01-08
: PRIOR APPLICATION NUMBER: 60/272,411
: PRIOR FILING DATE: 2001-02-28
: PRIOR APPLICATION NUMBER: 60/272,817
: PRIOR FILING DATE: 2001-03-02
: PRIOR APPLICATION NUMBER: 60/291,186
: PRIOR FILING DATE: 2001-05-15
: PRIOR APPLICATION NUMBER: 60/303,231
: PRIOR FILING DATE: 2001-07-05
: PRIOR APPLICATION NUMBER: 60/305,060
: PRIOR FILING DATE: 2001-07-12
: PRIOR APPLICATION NUMBER: 60/318,405
: PRIOR FILING DATE: 2001-09-10
: PRIOR APPLICATION NUMBER: 60/318,700
: PRIOR FILING DATE: 2001-09-12
: NUMBER OF SEQ ID NOS: 227
: SOFTWARE: Patent In Ver. 2.1
: SEQ ID NO: 110
: LENGTH: 1242
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-037-417-110

Query Match      6.9%: Score 85.5; DB 2; Length 1242;
Best Local Similarity 20.5%; Pred. No. 5.2;
Matches 54; Conservative 43; Mismatches 89; Indels 77; Gaps 14;

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QY      69  VDGEHVGFELKD-----GSFVVDIPSGSYVEVVSFPAVFDPRVDITS-----KG 116
DB      514  SSGVAVEGVYVDTITTEWKAFCISE--DAGLGISSTASLRAFQPFVELTMPYSVIRG 571
QY      117  K---WRARYVNTKSEVVRLLPYPLQMS-----GPPSYFI---KRESGWTFD 160
DB      572  EVFTIKATVAVLNTL--PKCIRV--SVQLKASPAFLASQNTKGESYICIGNERQTLSWT-- 625
QY      161  LNNPVMVMVLLPLLFVLLPKVNTSDPDMREMEQSMNL-NSNHELDPVSE---FMT 215
DB      626  -----VTPKTLGNVNFVSAAVAGSLCAGNEVVEVPEIKRKDTVTKT 668
QY      216  RLFSKSGKSSGSKTKGSGA 238
DB      669  LLVEAGIEQEKTFSSMTCSGA 691
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Job time : 74 secs
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